UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO.   : 7,120,685

APPLICATION NO.: 09/891,584

ISSUE DATE   : October 10, 2006

INVENTOR(S)   : Ullmann, et al

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Figures 1-8 are replaced by the attached 9 Sheets with Replacement Drawings.

MAILING ADDRESS OF SENDER (Please do not use customer number below):

Anne Vachon Dougherty, Esq. 3173 Cedar Road, Yorktown Heights, New York 10598

FIG.1

SERVER 101a
SERVER 101b
SERVER 101c
SERVER 101n

CLIENT 102
CLIENT 103
CLIENT 104

FIG.3

330

TRACE LOGGER CONFIGURATION 334
MESSAGE LOGGER CONFIGURATION 336
THFL CONFIGURATION 332

THFL MANAGER
250
● GET THFL CONFIGURATION 352
● SET TRACE LOGGING CONFIGURATION 354
● SET TRACE LOGGING FILTER CONFIGURATION 356
● LISTEN THFL EVENTS 358

THFL MAPPER
370
● MAP BETWEEN LOG MESSAGE AND AFFECTED SUBSYSTEM
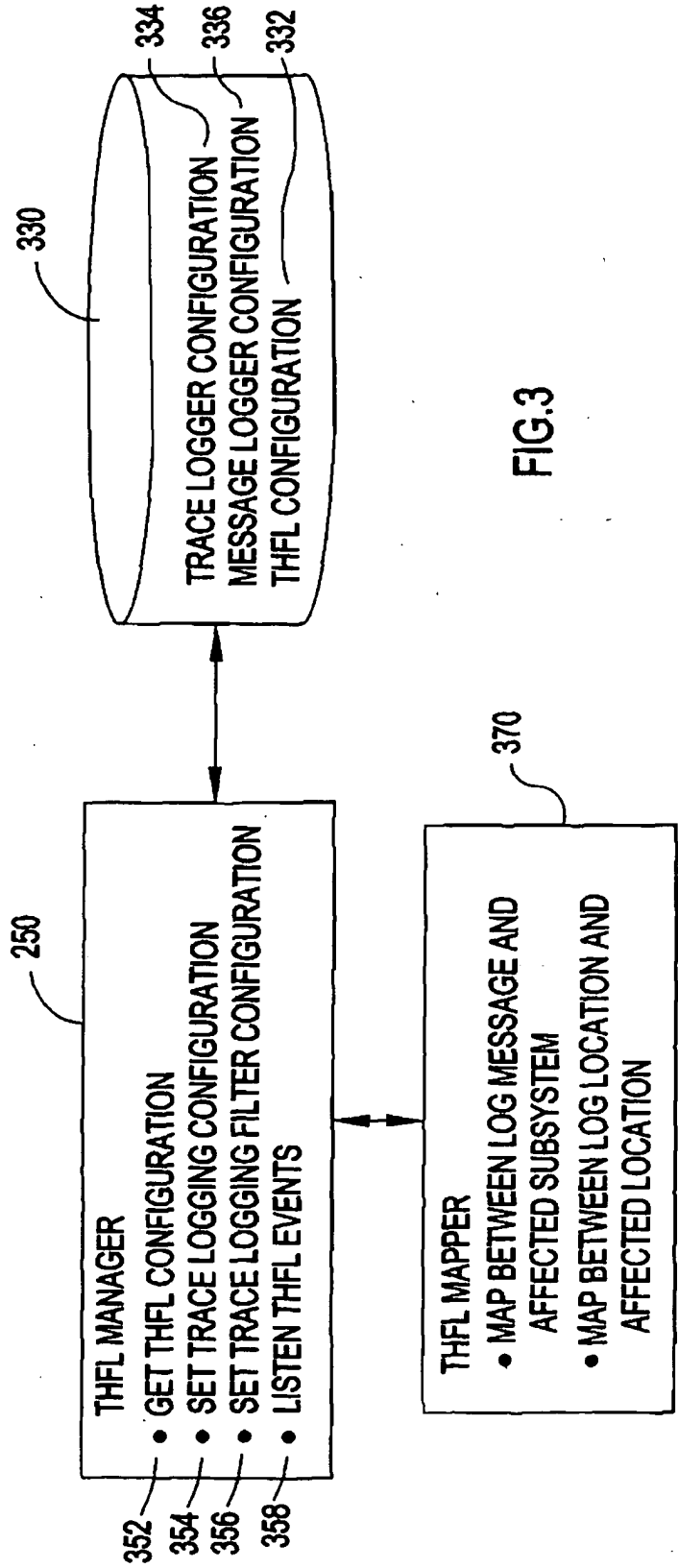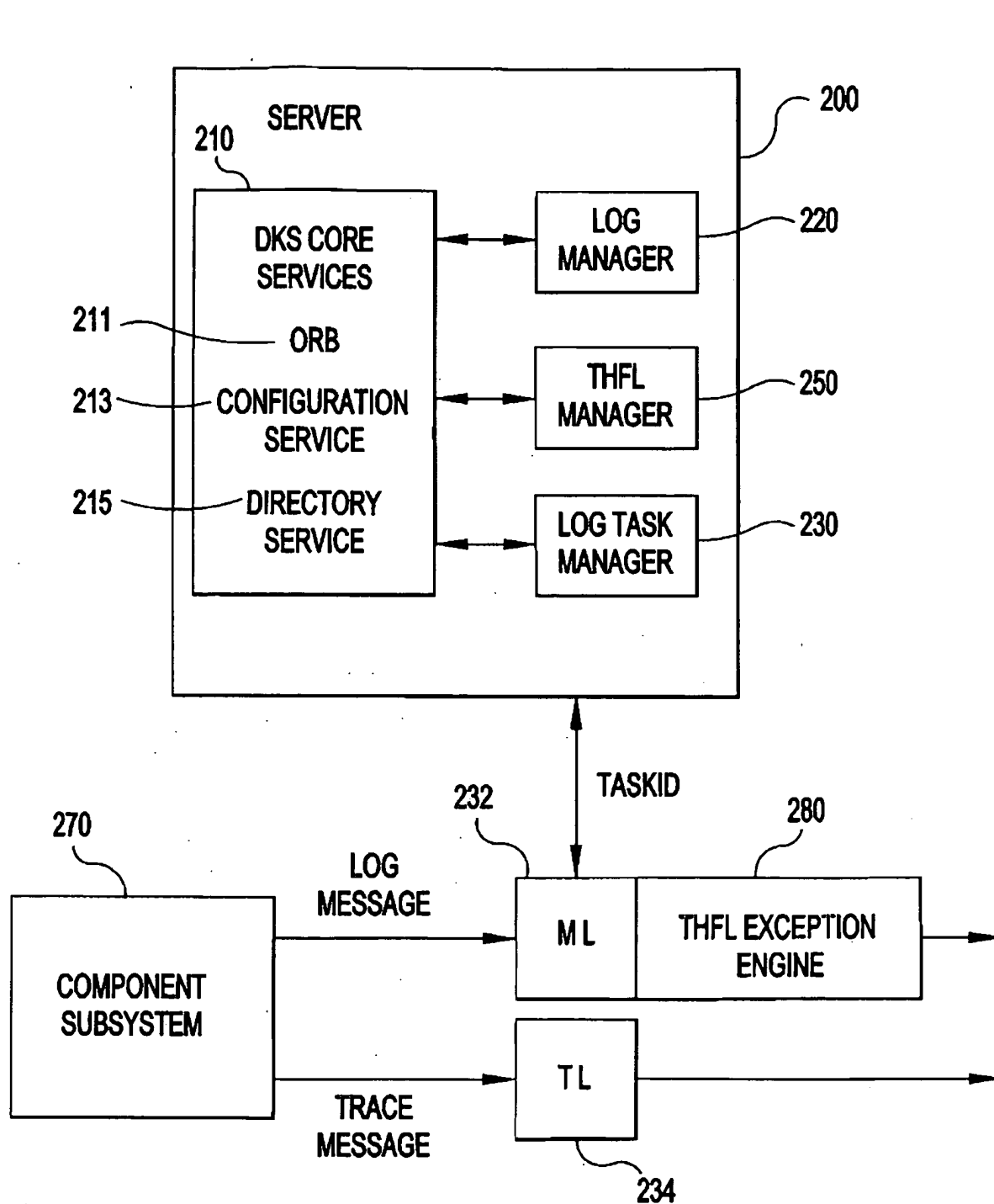● MAP BETWEEN LOG LOCATION AND AFFECTED LOCATION
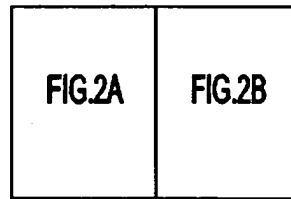
FIG.2A

FIG.2

FIG.2A | FIG.2B
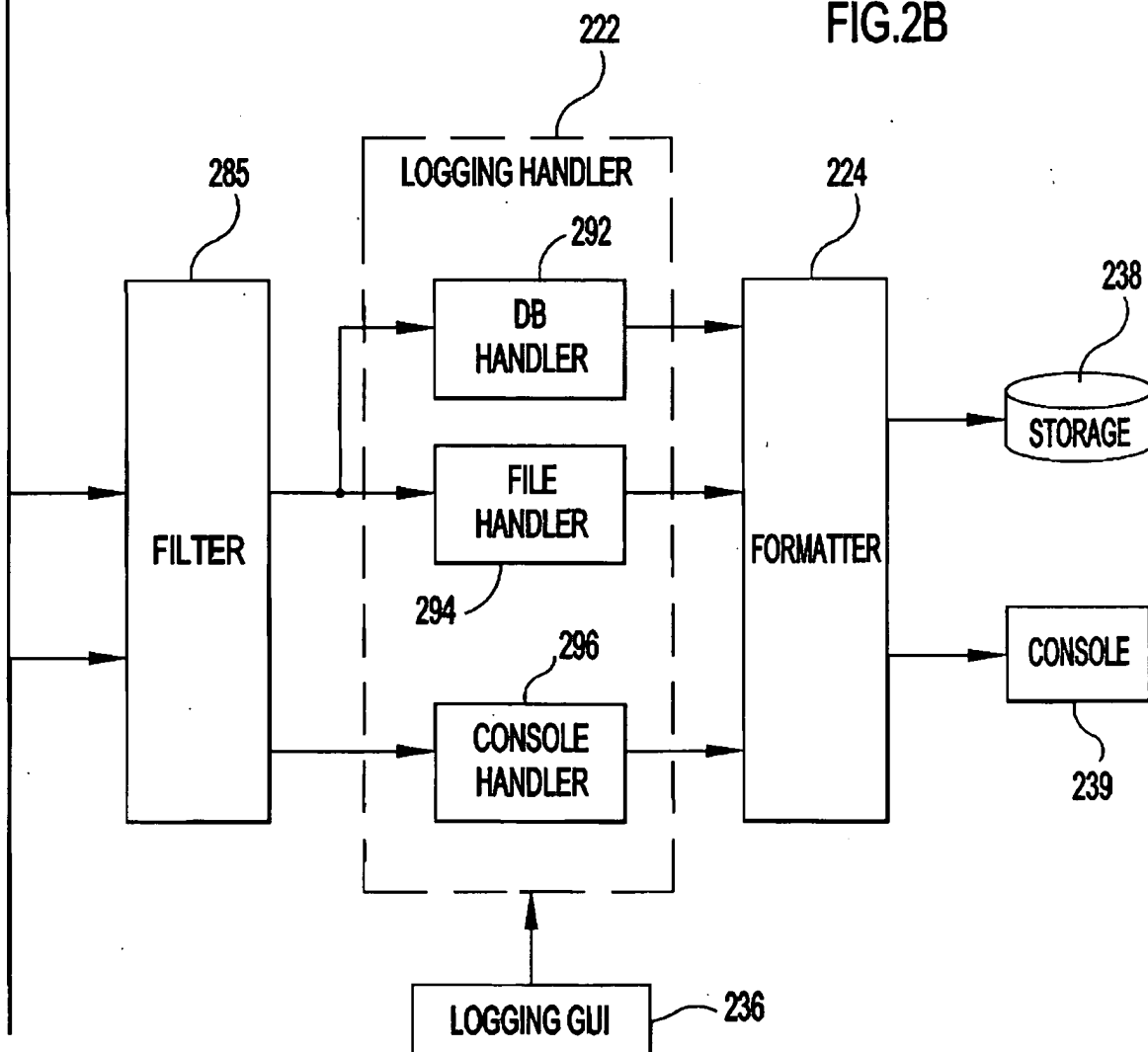
FIG.2B

Transient High Frequency Logging Configuration GUI

When to Enable Transient High Frequency Logging:

   ∅ Run Periodic Detection

- Daily   time of day   = _____

- Monthly   day of month   = _____

- Continuous   Polling interval every _____ minutes

∅ Enable immediately as response to ALL Error Message (very expensive from a performance standpoint)

∅ Select Subsystem(s) which error events turn on temporary tracing
       Subsystem DropDown: Directory
                                   IP Driver
                                   ORB
                                   Etc.

Duration of Transient High Frequency Logging:

   ∅ (default) 1 hour after error message
   ∅ Indefinite until Administrator turns off tracing

FIG.4

FIG.5A

View Subsystems Performing Transient High Frequency Trace Logging

Current List

Drop down List of Subsystems
Directory
IP Driver
ServiceManager
ORB

List in Last _____ hours
Drop down List of Subsystems

List in Last _____ days
Drop down List of Subsystems

FIG.5B

Details Views ForEachSubsystem

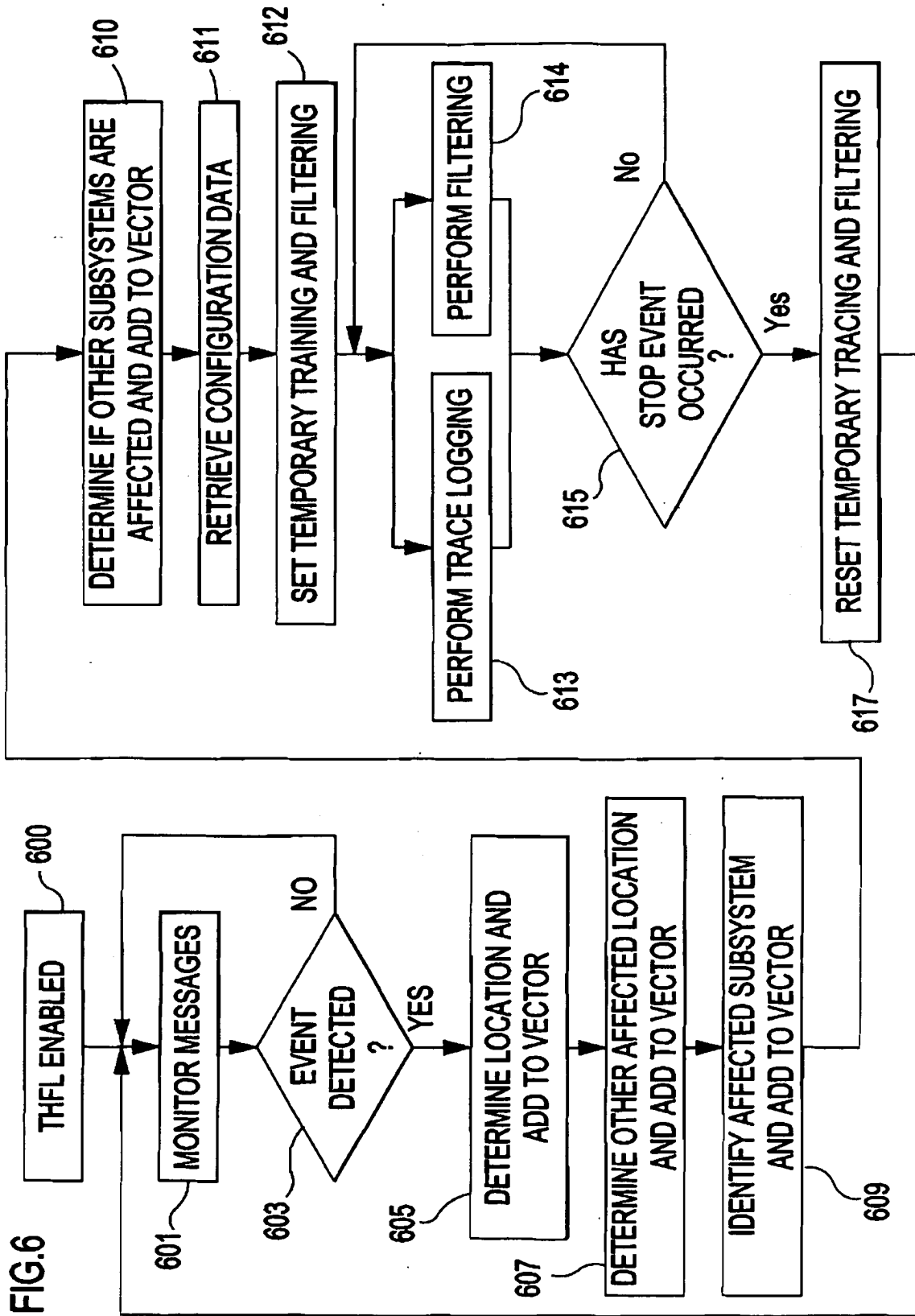View ErrorMessage that Inititiated Increase Logging frequency:

2001.05.16 07:17:41.139 FNGDR3012E The Messaging Service for the directory running on the local ORB was unable to subscribe to event messages. No directory events can be processed by the ORB.

High Frequency Logging Interval 2001.05.16 07:17:41.139 - 2001.05.16 07:17:41.139

View MessageLog Button
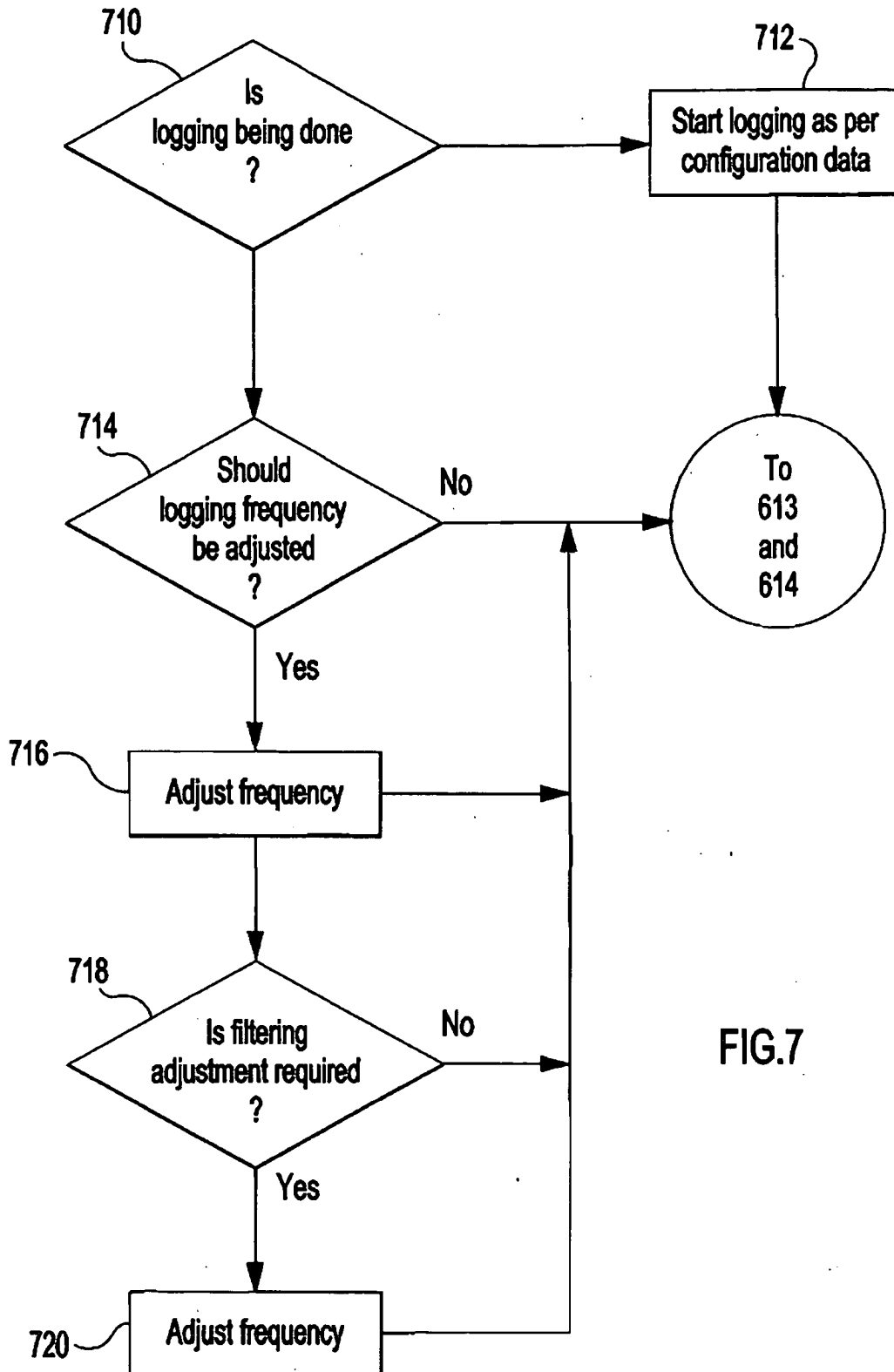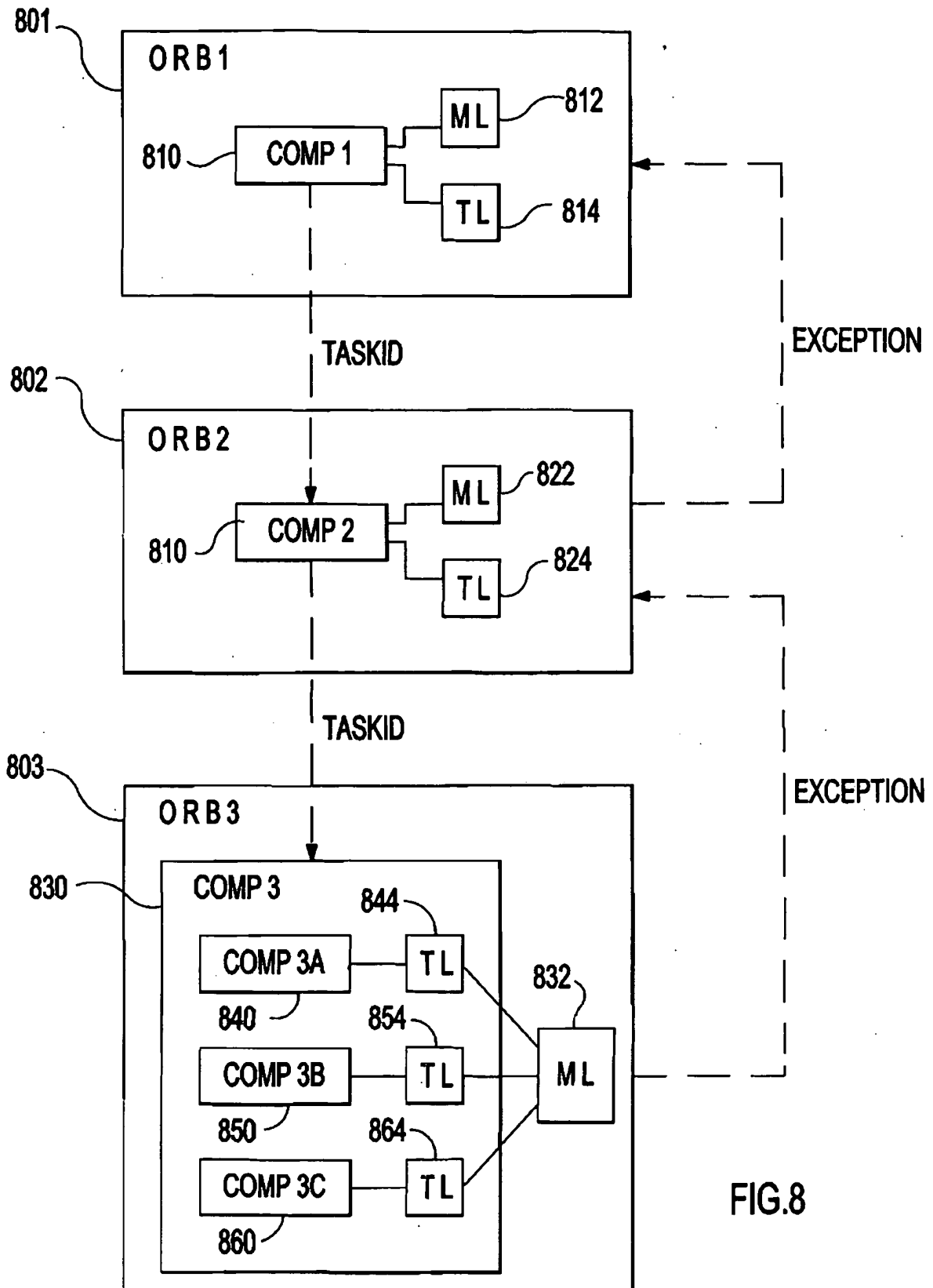ViewTraceLog Button
ViewCombinedTimeBoundLog Button

FIG.6

THFL ENABLED — 600

MONITOR MESSAGES — 601

EVENT DETECTED ? — 603

NO

YES

DETERMINE LOCATION AND ADD TO VECTOR — 605

DETERMINE OTHER AFFECTED LOCATION AND ADD TO VECTOR — 607

IDENTIFY AFFECTED SUBSYSTEM AND ADD TO VECTOR — 609

DETERMINE IF OTHER SUBSYSTEMS ARE AFFECTED AND ADD TO VECTOR — 610

RETRIEVE CONFIGURATION DATA — 611

SET TEMPORARY TRAINING AND FILTERING — 612

PERFORM TRACE LOGGING — 613

PERFORM FILTERING — 614

HAS STOP EVENT OCCURRED ? — 615

No

Yes

RESET TEMPORARY TRACING AND FILTERING — 617

FIG.7

FIG.8